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AND

Search Definitions:

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Searching Category	User input query
Searched Word	adjuvant
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### 1. 1. adjuvant

**Definition:**

1. In pharmacology, a substance that, when added to a medicine, speeds or improves its action.
2. In immunology, a substance that is added to a vaccine to improve the immune response so that less vaccine is needed to produce more antibodies. Such adjuvants apparently work by speeding the division of lymphocytes and by keeping the antigen in the area where the immune response is taking place. In research with humans, aluminum phosphate and aluminum hydroxide gel are commonly used; in research involving lab animals, Freund's adjuvant is used.

### 2. adjuvant therapy

**Definition:**

Cancer treatment that involves surgery followed by additional treatment with chemotherapy drugs and/or radiation to reduce the risk that the cancer will return.

### 3. Freund's adjuvant

**Definition:**

The complete version of this immunostimulating adjuvant contains heat-killed tuberculosis bacteria emulsified in white mineral oil. It is used in immunological research involving lab animals, but not in humans, since it could cause allergic responses or autoimmune problems. The bacterial cells are omitted in the incomplete version of the adjuvant.

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**adjuvant (ad'joo-vānt)**

1. A substance added to a drug product formulation that affects the action of the active ingredient in a predictable way.
2. In immunology, a vehicle used to enhance antigenicity; *e.g.*, a suspension of minerals (alum, aluminum hydroxide, or phosphate) on which antigen is adsorbed, or water-in-oil emulsion in which antigen solution is emulsified in mineral oil (Freund incomplete adjuvant), sometimes with the inclusion of killed mycobacteria (Freund's complete adjuvant) to further enhance antigenicity (inhibits degradation of antigen and/or causes influx of macrophages).
3. Additional therapy given to enhance or extend primary therapy's effect, as in chemotherapy's addition to a surgical regimen.
4. A treatment added to a curative treatment to prevent recurrence of clinical cancer from microscopic residual disease.

[L. *ad-juvo*, pres. p. *-juvans*, to give aid to]

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## WEST Search History

DATE: Thursday, March 06, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
		result set	
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR</i>		
L5	I4 and (dc-chol or dc adj chol)	0	L5
L4	L2 and (liposome or dc-chol or dc adj chol) with (genetic or gene or polynucleotide or DNA)	83	L4
L3	L2 and (liposome or dc-chol or dc adj chol) same (genetic or gene or polynucleotide or DNA)	113	L3
L2	L1 and @ad<19941114	236	L2
L1	(genetic or gene or polynucleotide or DNA) with vaccine and (liposome or dc-chol or dc adj chol)	2899	L1

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